



St Peter's Lutheran Church water Wells

Stacey Dwyer to: alvindeforest

Cc: William Honker

Bcc: Philip Dellinger

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From: Stacey Dwyer/R6/USEPA/US
To: alvindeforest@gmail.com
Cc: William Honker/R6/USEPA/US@EPA
Bcc: Philip Dellinger/R6/USEPA/US

Mr. Alvin Deforest,

Approximately a week ago, Bill Honker, Acting Division Director of the Water Quality Protection Division contacted you to discuss two proposals pertaining to the St Peter's Lutheran Church water wells. As you are aware, EPA is in the process of reviewing an aquifer exemption for Uranium Energy Corp (UEC) for the Goliad formation. The purpose of this email is to explain the two proposals.

1) Provide a new well for the Church's use

In discussions with UEC concerning the aquifer exemption, the company has offered to drill a new well for the church at no cost to the church. The purpose of a new well would be to provide a well that would comply with current well construction standards and provide the same or better quality and quantity of water that the church is receiving to date. Although we know of no reason your current wells would not be safe for continued use, this new well would be sited in a location that would further reduce the potential for impact from any proposed mining activity and would enhance the church's water supply for future years. EPA is not viewing this as an essential factor in considering action on TCEQ's aquifer exemption request, but instead as an opportunity for the church to enhance the security and longevity of its water supply.

2) Pump Test using the Church's wells as observation

There is also the possibility that UEC or EPA could conduct a pump test as part of an investigation of whether there is a hydraulic connection between two different sand zones. A pump test can provide a direct measurement of the effects of pumping an aquifer down and the impact that may have on other aquifers in the vicinity. The pump test being considered would involve pumping a well in the "B sand" while observing static water levels in nearby wells in the "A sand" for changes. The church's two existing wells could be used as observation wells in such a test, and would merely require observation of static water levels in the wells over the period of the test. No damage would occur to those wells being monitored.

If you need additional information, please contact me.

Thank you,

Stacey B. Dwyer, P.E.

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